



NORFLEET, BROWN & PETKEWICZ INC.

CIVIL ENGINEERS & SURVEYORS

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RANDY H. NORFLEET, P.E., P.S.
WILLIAM C. PETKEWICZ, P.S.

DANIEL O. MUTZNER, P.E.
JONATHAN L. NORFLEET, P.E.

FILED/ACCEPTED

JAN 10 2012

Federal Communications Commission
Office of the Secretary

January 5, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

Dear Ms. Dortch:

LightSquared has recently petitioned the FCC to affirm its license and allow it to begin work --- even though independent tests showed that interference with high-precision GPS will occur if LightSquared goes forward with its plan.

As a user of high-precision GPS, I *vehemently oppose* LightSquared's request. I am a small business barely surviving in these economic times. Any interference with our operations in high-precision GPS could be disastrous when using our GPS survey instruments to both our clients and ourselves. Errors could cost thousands, hundreds of thousands even millions of dollars to our clients and ourselves. Our clients include Businesses, Developers, Local Governments, State Governments and Federal Governmental Agencies.

Even if the so-called *filters* (which have yet to be proven that they will work) are available, who will pay the cost to have these installed? There are millions of users of GPS out there.

Again, I want you know that I am **TOTALLY OPPOSED** to LightSquared's request.

Thank you for your time in reviewing my request.

Sincerely,
NORFLEET BROWN & PETKEWICZ, INC.

Randy H. Norfleet, P.E., P.S., President

From: myIBFS
Sent: Thursday, January 05, 2012 7:41 AM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Dual; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/05/2012

Filer Information:
Randy Norfleet
Norfleet, Brown & Petkewicz, Inc.

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC



SEIG & ASSOCIATES, INC.

Mapping, Construction Layout and Land Surveying

13150 N. Penntown Rd. Sunman, IN 47041
812-623-6700 Ph – 812-623-6701 Fax

FILED/ACCEPTED

JAN 10 2012

Federal Communications Commission
Office of the Secretary

January 5, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

Attn: Marlene H. Dortch

We need to make it clear that LightSquared should not be allowed to go forward with its project and product and service until it is shown that their plan will not interfere with high-precision GPS. Not only will the surveying industry will be harmed, but so will the hundreds of thousands of people who use the data surveyors produce in order to design, build and maintain out counties vital infrastructure. We, as a user of high-precision GPS, oppose LightSquared's request (which ignores the recent independent test results) to affirm its license and its request to go forward with its plan.

Sincerely

Nic Wonnell, Vice-President

From: myIBFS
Sent: Thursday, January 05, 2012 7:32 AM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duall; Kathryn Medley;
CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/05/2012

Filer Information:
Nic Wonnell
Seig & Associates, Inc.

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC



RUEN-YEAGER & ASSOCIATES, INC.
ENGINEERS ♦ PLANNERS ♦ SURVEYORS

January 4, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

FILED/ACCEPTED

JAN 10 2012
Federal Communications Commission
Office of the Secretary

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

In my capacity as a Professional Land Surveyor, serving both public and private clients in the states of Washington and Idaho, I must express serious concerns with the pending license request by LightSquared LLC that will adversely affect and degrade the use of precision GPS receivers and signals used routinely in our daily business. Precision GPS equipment is critical for the design, construction and operation of private and public infrastructure, transportation corridors, railroads, seismic analysis, precision timing, navigation, mapping... and the list goes on.

We have serious misgivings about the FCC granting LightSquared LLC conditional approval (FCC File No. SAT-MOD-20101118-00239) to push forward with their initiative to build a nationwide 4G-LTE wireless broadband network. Early testing by GPS technology leaders Garmin and Trimble Navigation demonstrated that LightSquared's technology would likely interfere with GPS (Global Positioning System) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared LLC company to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by land surveyors, civil engineers, farmers, and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way American's have built and managed our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc.

January 4, 2012

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GPS has become an essential tool for most land surveyors and geomatics professionals today and it is imperative that these GPS signals are not jeopardized by broadband technology. The FCC must make clear, and the NTIA (National Telecommunications and Information Administration) must ensure, that LightSquared's license modification is contingent on the outcome of the mandated study unequivocally demonstrating that there is no interference to GPS. The study must be comprehensive, objective, and based on correct assumptions about existing GPS uses rather than theoretical possibilities. Given the substantial pre-existing investment in GPS systems and infrastructure, and the critical nature of GPS applications, the results of the study must conclusively demonstrate there is no risk of interference. If there is conflicting evidence, doubts must be resolved against the LightSquared terrestrial system.

This situation has the potential of becoming a tremendous public safety issue and an economic disaster throughout the entire United States. Implementation of nationwide wireless broadband networks by LightSquared LLC, or other providers, requires an understanding that the existing GPS system is an innovative, well-established and treasured "national utility" that is critical to our technical and economic leadership. I'm sure a solution exists that allows both LightSquared and GPS to operate without interference... and that solution is for LightSquared LLC to respect the fact the GPS already exists and they need find an appropriate bandwidth that does not adversely affect other established, and critical, users of our limited spectrum.

Sincerely,

RUEN-YEAGER & ASSOCIATES, INC.

A handwritten signature in dark ink, appearing to read "Darrel G. Ramus", with a stylized flourish at the end.

Darrel G. Ramus,
Professional Land Surveyor

From: myIBFS
Sent: Wednesday, January 04, 2012 7:40 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duall; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/04/2012

Filer Information:
Darrel Ramus
Ruen-Yeager & Associates, Inc.

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

FILED/ACCEPTED

JAN 10 2012

Federal Communications Commission
Office of the Secretary

Leonard Carlson

Sunde Land Surveying, LLC

9001 East Bloomington Freeway

Suite #118

Bloomington, MN 55425

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

Dear Ms. Dortch

I am writing you today in regard to the LightSquared licensing request. It is known that LightSquared is still attempting to gain a license from the FCC even though independent testing has shown that there will be interference with other high-precision GPS devices. I am a part owner of a private surveying company and my livelihood depends on the use of our high-precision GPS surveying instruments. I can't afford to have the signal interrupted by some new company that wants to deploy their new equipment that will most likely render our equipment useless. The equipment (GPS) that we use on a daily basis is quite costly and as of now there is no alternative. This is not an acceptable scenario. There is a domino effect along with this in that if we cannot collect the data due to interrupted GPS signals then this will ultimately affect thousands of people who use the data we produce. As user of high-precision GPS, I **oppose** LightSquared's request (which ignores the recent independent test results) to affirm its license and its request to go forward with its plan until such a time as they can prove that their system will not interfere with high-precision GPS equipment such as surveyors use.

Thank you for your time and attention in this matter.

Leonard Carlson
PLS/Principal
Sunde Land Surveying, LLC.
1/5/2012

From: myIBFS
Sent: Thursday, January 05, 2012 7:28 AM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duall; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/05/2012

Filer Information:
Leonard Carlson
Sunde Land Surveying, LLC.

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

FILED/ACCEPTED

JAN 10 2012

Federal Communications Commission
Office of the Secretary

Wm. T. Wambach, RLS, PE
900 Prairie Run #35
SUN PRAIRIE WI 53590-4167
(608)212-1921
E-mail: oldgoat1925@gmail.com

Marlene H. Dortch, Secretary, FCC
445 – 12th St. SW
WASHINGTON DC 20554

Jan. 4, 2012

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

Ms. Dortch:

As a surveyor, and as a private pilot, I am a user of high-precision GPS. I strongly **OPPOSE** the request to you by LightSquared to affirm its license and affirm its request to go forward with its plan.

You have the results of independent tests that show interference with high-precision GPS will occur if LightSquared proceeds with the plan they have presented to you.

Please reject LightSquared's request.

Sincerely,

Wm. T. Wambach

From: myIBFS
Sent: Wednesday, January 04, 2012 9:14 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duali; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/04/2012

Filer Information:
Wm. T. Wambach, RLS, PE
Retired

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

FILED/ACCEPTED

JAN 10 2012

Federal Communications Commission
Office of the Secretary

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

Dear Madame Secretary – Please do not allow LightSquared to obtain approval and be allowed to construct their wireless network without further investigation into the proven interference with high-precision GPS devices used by surveying and mapping professionals alike, not to mention military personnel. This effort could cause tax payers and small businesses billions of dollars in waste. Please reconsider and do the right thing. Your country is counting on you to make a tough, but right decision. We trust you will.

Sincerely,
Corey C. Denninger, GISP

From: myIBFS
Sent: Wednesday, January 04, 2012 7:59 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Dual; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/04/2012

Filer Information:
Corey Denninger
• ← IBFS

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

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JAN 10 2012

Federal Communications Commission
Office of the Secretary

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

January 5, 2012

Dear Ms. Dortch:

This letter is being sent to you to express my very serious concerns regarding the possible approval of LightSquared Subsidiary, LLC proposal to use a communication bandwidth adjacent to our current GPS signals. I am the President of Fema Certs, Inc. which depends of the daily availability and accuracy of our current GPS infrastructure. Without this service being available and highly accurate as it is, my business could not exist. I have spent many years and much money developing this essential business and will not allow any threats to it's well being without expressing my opposition. A recent independent study has shown that minor to significant interference will be caused by LightSquared's signal.

I IMPLORE YOU NOT TO ALLOW LIGHTSQUARED TO CONTINUE
DISREGARDING KNOWN DAMAGES TO OUR ESTABLISHED ASSETS AND
REVOKE THEIR APPROVALS IMMEDIATELY! BUSINESSES, GOVERNMENTS,
MILITARY, AVIATION AND A HOST OF OTHER ENTITIES RELY ON THIS
LONG STANDING SERVICE FOR IT'S PRECISION EVERY DAY. IT MUST BE
DECLARED SACRED AND PROTECTED FROM ANY SOURCE OF HARM
FOREIGN OR DOMESTIC!

Sincerely,

Del W. Hayner, PSM
President
Fema Certs, Inc.
1603 Adrian Street
Port Charlotte, FL 33952

From: myIBFS
Sent: Wednesday, January 04, 2012 8:11 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duall; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/04/2012

Filer Information:
Del William Hayner
Fema Certs, Inc.

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

FILED/ACCEPTED

FB Docket 11-109

JAN 10 2012

Dear Sirs,

Federal Communications Commission
Office of the Secretary

I have followed the Lightsquared issue from the start and am appalled that the FCC granted the waiver in the first place and now with all the testing data in that they are actually considering letting Lightsquared proceed. The facts are in and letting Lightsquared proceed will degrade the High Precision GPS signal to useless. Talk of possible filters is a joke. I don't need a filter now!

I have run a land surveying business since 1985 and for the last decade have relied almost exclusively on High Precision GPS. Loss of this tool will effectively end my business. I am not going back to the Horse and Buggy days. I was planning on buying new GPS equipment this year but cannot justify that cost not knowing what the future holds for High Precision GPS. The community of High Precision GPS users is small but the people that use our data is large.

The spectrum plan that the FCC designed early on cannot be upset by now flipping the tables and saying that satellite bands can now be used for terrestrial use and that everybody else must adjust.

The FCC is supposed to be the watchdog of these issues. Put the politics aside and do what is right, **oppose** Lightsquares request to proceed until it is independently confirmed that they will not interfere with High Precision GPS

Sincerely,

Steven L. Gardner PS
Gardner Surveying
Cambridge, Ohio

From: myIBFS
Sent: Wednesday, January 04, 2012 6:32 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Dual; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: OPPOSITION

Date filed: 01/04/2012

Filer Information:
Steven L Gardner
Gardner Surveying

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

January 4, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

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Federal Communications Commission
Office of the Secretary

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

Dear Ms Dortch:

True Position Land Surveying-Nevada, LLC, as a user of high-precision GPS, is strongly opposed to allowing LightSquared to affirm its license and its request to go forward with its plan (which ignores the recent independent test results), which will seriously impact the ability of my firm to perform surveys for the public here and in Arizona. As a Certified Federal Surveyor, my ability to perform surveys in the Public Domain for private parties, the Federal Authority (BLM) and Indian Tribes would be adversely affected. The ability to rely on the Global Positioning System and other satellite navigation systems is critical to my business to be able to deliver timely and accurate surveys. Allowing LightSquared to interfere with these GPS High Precision Surveys will have the effect to moving the surveying back to the 1970's. My company doesn't have any objection to high-speed internet as long as it does not come at the expense of the high precision, GPS derived survey measurements.

Sincerely,

True Position Land Surveying-Nevada, LLC



Christopher L. Albers, P.L.S., W.R.S., CFedS

From: myIBFS
Sent: Wednesday, January 04, 2012 6:09 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Dual; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/04/2012

Filer Information:
Christopher L. Albers, PLS, WRS, CFedS
True Position Land Surveying-Nevada, LLC

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC



801 Corporate Drive
Lexington, KY 40503
Tel 859 / 223-3999
Fax 859 / 223-8917

GRW Engineers, Inc.

Engineering
Architecture
Planning
GIS
Aviation Consultants

Arlington, TX
Cincinnati, OH
Indianapolis, IN
Knoxville, TN
Louisville, KY
Nashville, TN

January 4, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

FILED/ACCEPTED

JAN 10 2012

Federal Communications Commission
Office of the Secretary

Re: **LightSquared Subsidiary, LLC**
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

Dear Ms. Dortch:

My company is a user of high-precision GPS, and I oppose LightSquared's request for licensure.

Please do not approve LightSquared's request as it will have a detrimental effect on the surveying industry and those who rely on the valuable information provided by the surveying industry.

Sincerely,

Matthew Callahan, P.E.

From: myIBFS
Sent: Wednesday, January 04, 2012 4:55 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Dual; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/04/2012

Filer Information:
Matt Callahan
GRW Engineers, Inc.

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC



January 4, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554
Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

FILED/ACCEPTED

JAN 10 2012

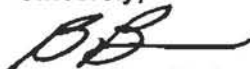
Federal Communications Commission
Office of the Secretary

Ms Dortch:

I am a licensed land surveyor and own my own business. Blake Land Surveys has been in operation since 1980 and using GPS receivers since 1996. I am the proud owner of 6 survey grade receivers, one of which works in Real Time and the appropriate software. Total replacement cost for the system that I employ is approximately \$100,000. I need this equipment and its ability to give reliable, repeatable data in business.

I experience enough problems with the weak signals that are generated from the GPS satellites. I do not need another system completely un-related to my work infringing on the radio frequencies that are necessary for my work. I would suggest the Light Squared apply for a different frequency band, rather than trying to provide the high end users of the GPS network, such as me, with their idea of a Band Aid.

Sincerely;


Berk Blake, PLS



From: myIBFS
Sent: Wednesday, January 04, 2012 5:08 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duall; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/04/2012

Filer Information:
Berk Blake, PLS
Blake Land Surveys

Contact Information:

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File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

FILED/ACCEPTED

JAN 10 2012

Federal Communications Commission
Office of the Secretary

To whom it may concern at the F.C.C.,

Please work to protect the existing users of high precision G.P.S. receivers and the consumers that benefit from our surveying profession.

Please do not allow Light Squared to start with its planned work for ground based communication in the format that will affect "High Precision G.P.S. Receivers".

Please require that the proper bandwidth and signal strength of the proposed communication stations that Light Squared L.L.C. are proposing are compatible with the existing users that will be affected if the current format is approved.

Thanks William B. Heller, L.S.
Deputy County Surveyor,

McPherson County Public Works
1115 West Avenue "A"
McPherson, KS 67460
620-245-8023

Date: 1-4-2012

From: myIBFS
Sent: Wednesday, January 04, 2012 5:53 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duall; Kathryn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/04/2012

Filer Information:
William B. Heller
McPherson County Public Works and Heller Boundary Surveys

Contact Information:

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File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC